OMB No. 2040-0004

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16)
AKG-31-5002
015
PERMIT NUMBER
DISCHARGE NUMBER MO DAY MONITORING PERIOD YEAR F DAY

| | | | | | 5 | | | | | | C1810 140. 40TO 000T |
|-----------------------------|---------------------------------|---------------|---------------------|-------|-----------------|---|------------------|---------|----------|---------------------------|--|
| NAME Union Oil C | Union Oil Company of California | nia | | | (2-16) | | (17-19) | | | | |
| ADDRESS Attn: John Zager | Zager | | ' ' | | AKG-31-5002 | 32 | 015 | | | | |
| P.O. Box 196247 | 96247 | | ' | | PERMIT NUMBER | ER | DISCHARGE NUMBER | MBER | | | |
| Anchorage | Anchorage, AK 99519-6247 | | • | | | MONITORING PERIOD | ERIOD | | | | |
| FACILITY Trading Ba | Trading Bay Production Facility | ty | | | YEAR MO | DAY | YEAR MO | DAY | | | |
| LOCATION Cook Inlet, Alaska | Alaska | | • | | 08 02 | 01 To | 08 02 | 29 | | | |
| | | | | | (20-21) (22-23) | (24-25) | (26-27) (28-29) | (30-31) | ., | NOTE: Read instructions b | NOTE: Read instructions before completing this form. |
| PARAMETER | | (3 Card Only) | QUANTITY OR LOADING | | (4 Card Only) | QUALITY OR CONCENTRATION | TRATION | | NO. | FREQUENCY | SAMPLE |
| (32-37) | | (46-53) | (54-61) | | (38-45) | (46-53) | (54-61) | | 9 | OF ANALYSIS | TYPE |
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | (62-63) | (64-68) | (69-70) |
| 015 | SAMPLE | | | | | | | | | | |
| Produced Water | MEASUREMENT | 3.600166 | 4.190634 | MGD | | | | | | Weekly | Estimate |
| Flow Rate * | PERMIT | | | | | | | | | | |
| | REQUIREMENT | Report | Report | MGD | | | | | | Weekly | Estimate |
| 015 | SAMPI F | | | | | , | *** | _ | | | |

| Ţ | CODE | | D AGENT | OR AUTHORIZED AGENT | plations. | itaise information, including the possibility of the and imprisonment for knowing violations. | ty of fine and | MATERIAL PROPERTY. | alse information, inc | | ここうじ くえっかいしし |
|------------|----------------|--------------|-------------|--|-----------------------------|--|----------------------------------|--|---|-----------------------|--|
| - 4 | | | | | | | ; | dissing the possibili | | | אומם מס שמוער |
| | AREA NUMBER | | TIVE OFFICE | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER | ge and belief, ubmitting | gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting | on submitted i are that there | ation, the information attention and the information at the informatio | gathering the inform true, accurate, and o | | Mid Continent/Alaska Business Unit |
| ┢ | | | ines | Dale A. Haines | ible for | the person or persons who manage the system, or those persons directly responsible for | system, or th | ns who manage the | the person or persor | | General Manager |
| | (907) 276-7600 | - | | DO | nquiry of | my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of | the informati | ervision in accordan gather and evaluate | my direction or supe personnel properly (| | John Zager |
| ╁ | TELEPHONE | | | | d under | t certify under penalty of law that this document and all attachments were prepared under | ocument and | ty of law that this do | certify under penal | | NAME/TITLE PRINCIPAL EXECUTIVE OFFICER |
| | Monthly | | mg/l | 1.9 | 0.0 | re-tra | | | | REQUIREMENT | Cinc |
| + | Monthly | | mg/l | 0.01 | 0.01 | | | | | MEASUREMENT | Produced Water |
| | Green in a y | | 480 | : | | | | | | SAMPLE | 015 |
| | Monthly | | | 47 |) 33 | | | | | REQUIREMENT | Silver |
| | Monthly | | ug/l | -> | 1 | | | | | MEASUREMENT | Produced Water |
| +- | Monthly | | ug/l | 4.0 | 0.6 | | | | | REQUIREMENT | 015 |
| | | | ŀ | | | | | | | PERMIT | Mercury |
| | Monthly | | ng/i | 0.2 | 0.2 | | | | | MEASUREMENT | Produced Water |
| | Monthly | | mg/l | 50 | 25 | | | | | REQUIREMENT | |
| \dashv | | | | | | | | | · | PERMIT | Manganese |
| - | Monthly | | mg/l | 2 | 2 | | | | | MEASUREMENT | Produced Water |
| + | | | Ģ | | | | | | | SAMPLE | 015 |
| | Monthly | - | uo/ | 117 | 47.0 | | | | | PERMIT REQUIREMENT | Copper |
| | Monthly | | l/gu | 2.7 | 2.7 | | | | | MEASUREMENT | Produced Water |
| + | 1.20107 | | 9. | | | | | | | SAMPLE | 015 |
| | Weekly | - ' | ma/i | 42 | 29 | | | | | PERMIT REQUIREMENT | Oil and Grease*** |
| | Weekly | | mg/l | 16 | 15 | | | | | MEASUREMENT | Produced Water |
| + | Veccuy | | 90 | | | | | | | SAMPLE | 015 |
| | Manh | | 2 | • | | » | | | | PERMIT | pH** Flow Rate >1 mod |
| - | 4 / Month | | SLI | 8 | | 7 | | | | MEASUREMENT | Produced Water |
| \dashv | | | | | | | | | | SAMPLE | 015 |
| | | | | No Discharge | | | | | | REQUIREMENT | r condessed Calling |
| +- | | | | No Discharge | | | | | | MEASUREMEN | Produced Water |
| | | | | | | | | | | SAMPLE | 015 |
| | Weekly | | | | | | MGD | Report | Report | PERMIT REQUIREMENT | Flow Rate * |
| | Weekly | | | | | | MGD | 4.190634 | 3.600166 | MEASUREMENT | Produced Water |
| ╀ | (64-68) | (62-63) | UNITS | MAXIMUM | AVERAGE | MINIMUM | UNITS | MAXIMUM | AVERAGE | SAMPI T | 0.5 |
| | OF ANALYSIS | 贝 (| | | (46-53) | (38-45) | | (54-61) | (46-53) | から かられる ののできる | (32-37) |
| <u>اةٍ</u> | REPORT SAMPLE | _ | (30-31) | RATION | OLIALITY OR CONCENTRATION | (20-21) (22-23) | CNICAC | OHANTITY OR LOADING | (3 Card Only) | THE CHARGE TO | PARAMETER |

ADDRESS

Attn: John Zager

Union Oil Company of California

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR) (17-19)

AKG-31-5002

015

OMB No. 2040-0004

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Whole Effluent Toxicity Whole Effluent Toxicity Produced Water FACILITY LOCATION Dendraster excentrious Whole Effluent Toxicity Produced Water Total Ammonia Produced Water Produced Water vlenidia beryllina Produced Water dytilis sp.* Produced Water General Manager Mid Continent/Alaska Business Unit PARAMETER (32-37) TYPED OR PRINTED P.O. Box 196247
Anchorage, AK 99519-6247
Trading Bay Production Facility Cook Inlet, Alaska John Zager MEASUREMENT PERMIT MEASUREMENT REQUIREMENT MEASUREMENT MEASUREMENT MEASUREMENT REQUIREMENT SAMPLE MEASUREMENT REQUIREMENT REQUIREMENT REQUIREMENT REQUIREMENT SAMPLE SAMPLE PERMIT PERMIT PERMIT SAMPLE PERMIT PERMIT SAMPLE SAMPLE I certify under penalty of law that this document and all attachments were prepared under gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting the person or persons who manage the system, or those persons directly responsible for personnel properly gather and evaluate the information submitted. Based on my inquiry of my direction or supervision in accordance with a system designed to assure that qualified alse information, including the possibility of fine and imprisonment for knowing violations. (3 Card Only) AVERAGE (46-53) QUANTITY OR LOADING MAXIMUM UNITS *Identified as the most sensitive species (4 Card Only) 20-21 OS YEAR (38-45)MINIMUM PERMIT NUMBER (22-23)20 № QUALITY OR CONCENTRATION (24-25) 2 ₹ No Sample No Sample No Sample No Sample Report Report AVERAGE 283 MONITORING PERIOD 283 283 10 5 8 占 /26-27 YEAR 08 No Sample No Sample No Sample No Sample PRINCIPAL EXECUTIVE OFFICER Report MAXIMUM Report DISCHARGE NUMBER 568 283 283 5 27 5 OR AUTHORIZED AGENT SIGNATURE OF M. Comment (28-29)Dale A. Haines 8 8 SLINO TUC JUC 2 등 등 T C mg/L mg/l (30-31) mg/i mg/i mg/L mg/L 29 29 (62-63) 贝员 NOTE: Read instructions before completing this form AREA (907) 276-7600 TELEPHONE OF ANALYSIS Quarterly FREQUENCY Quarterly Annually Annually Monthly Annually Annually Annually Monthly Monthly Monthly Annually (64-68)NUMBER YEAR 8 Grab SAMPLE DATE Grab Grab Grab Grab Grab Grab Grab (69-70) Grab Grab Grab Grab TYPE Š ន

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Union Oil Company of California
Attn: John Zager
P.O. Box 196247
Anchorage, AK 99519-6247
Trading Bay Production Facility
Cook Inlet, Alaska

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER AKG-31-5002 **02** ∾ 2 DAY MONITORING PERIOD 5 8 A DISCHARGE NUMBER (17-19) 015 **02** 29 29

OMB No. 2040-0004

COMMENTS PAGE 3 OF 3

(22-23)

(24-25)

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(28-29)

(30-31)

NOTE: Read instructions before completing this form.

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- * Flow rates include deck drainage from Dolly Varden, Grayling, King Salmon, Monopod, and Steelhead Platforms.
 Estimated workover fluid flow rate:
 0.054810
- ** Frequency of pH measurement has been increased to more closely monitor water quality
- *** Per Permit instructions weekly samples consist of an average of 4 grab samples over a 24 hour period.

| SAID TO THE LOUIS LAW GOOD OF A CALL OF LAND | I called the Exercisive Online I called penalty of an unactual accompany were prepared diden | | 1 BEBENONE | T CAN | | CA III | |
|---|---|-----------------------------|----------------|--------|------|--------|-----|
| | my direction or supervision in accordance with a system designed to assure that qualified | 180 | | | | | |
| John Zager | personnel properly gather and evaluate the information submitted. Based on my inquiry of | 01 | (907) 276-7600 | 6-7600 | 8 | ឩ | 20 |
| General Manager | the person or persons who manage the system, or those persons directly responsible for | Dale A. Haines | | | | | |
| Mid Continent/Alaska Business Unit | Mid Continent/Alaska Business Unit gathering the information, the information submitted is, to the best of my knowledge and belief, | SIGNATURE OF | | | | | |
| | true, accurate, and complete. I am aware that there are significant penalties for submitting | PRINCIPAL EXECUTIVE OFFICER | AREA | NUMBER | YEAR | Š | DA. |
| TYPED OR PRINTED | false information, including the possibility of fine and imprisonment for knowing violations. | OR AUTHORIZED AGENT | CODE | | | | |
| COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) | | | | | | | |

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PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

ADDRESS OCATION Attn: John Zager
P.O. Box 196247
Anchorage, AK 99519-6247
Trading Bay Production Facility
Cook Inlet, Alaska Union Oil Company of California

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES) DISCHARGE MONITORING REPORT(DMR)

YEAR 8 PERMIT NUMBER AKG-31-5002 No. 2 DAY. 있 MONITORING PERIOD 5 င္တ DISCHARGE NUMBER 2 8 읾

REVISED

OMB No. 2040-0004

8/20/2008

COMMENTS PAGE 3 OF 3

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NOTE: Read instructions before completing this form

8/20/08 Revision: Estimated well treatment fluid flow rate was not reported

- * Flow rates include deck drainage from Dolly Varden, Grayling, King Salmon, Monopod, and Steelhead Platforms. Estimated workover fluid flow rate: 0.05481 MGD
- Estimated well treatment fluid flow rate: 0.011004 MGD
- ** Frequency of pH measurement has been increased to more closely monitor water quality.

*** Per Permit instructions weekly samples consist of an average of 4 grab samples over a 24 hour period.

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

true, accurate, and complete. I am aware that there are significant penalties for submitting gathering the information, the information submitted is, to the best of my knowledge and belief the person or persons who manage the system, or those persons directly responsible for

PRINCIPAL EXECUTIVE OFFICER

Dale A. Haines SIGNATURE OF

> (907) 276-7600 TELEPHONE

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DATE

OR AUTHORIZED AGENT

CODE

NUMBER

YEAR

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personnel properly gather and evaluate the information submitted. Based on my inquiry of my direction or supervision in accordance with a system designed to assure that qualified

false information, including the possibility of fine and imprisonment for knowing violations.

YPED OR PRINTED

General Manager Mid Continent/Alaska Business Unit

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER. I certify under penalty of law that this document and all attachments were prepared under

ω

FACILITY LOCATION

Anchorage, AK 99519-6247
Trading Bay Production Facility
Cook Inlet, Alaska

NAME ADDRESS

Union Oil Company of California
Attn: John Zager
P.O. Box 196247

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

| NON! | PERMIT NUMBER | AKG-31-5002 | (2-16) |
|-------------------|------------------|-------------|---------|
| MONITORING PERSON | DISCHARGE NUMBER | 015 | (17-19) |

completing this form

OMB No. 2040-0004

COMMENTS PAGE 3 OF 3

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(24-25) **9** PA

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(28-29)

(30-31) DAY 29

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- * Flow rates include deck drainage from Dolly Varden, Grayling, King Salmon, Monopod, and Steelhead Platforms.

 Estimated workover fluid flow rate: 0.054810
- ** Frequency of pH measurement has been increased to more closely monitor water quality.
- *** Per Permit instructions weekly samples consist of an average of 4 grab samples over a 24 hour period.

| 1 | | | | | | COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments have) |
|----|------|------|----------------|----------|-----------------------------|--|
| | | [| | CODE | OR AUTHORIZED AGENT | TYPED OR PRINTED false information, including the possibility of fine and imprisonment for knowing violations. |
| D | Ž | YEAR | NUMBER YEAR | AREA | PRINCIPAL EXECUTIVE OFFICER | true, accurate, and complete. I am aware that there are significant penalties for submitting |
| | | | | | SIGNATURE OF | is gathering the information, the information submitted is, to the best of my knowledge and belief, |
| | | | | | Dale A. Haines | General Manager the person or persons who manage the system, or those persons directly responsible for |
| 20 | ස | 8 | (907) 276-7600 | (907) 2: | 001 | JONN Zager personnel properly gather and evaluate the information submitted. Bessed on my inquiry of |
| | | | | | 22 | my direction or supervision in accordance with a system designed to assure that qualified |
| | DATE | | TELEPHONE | TELEF | | really under perally or law that this document and all attachments were prepared under |